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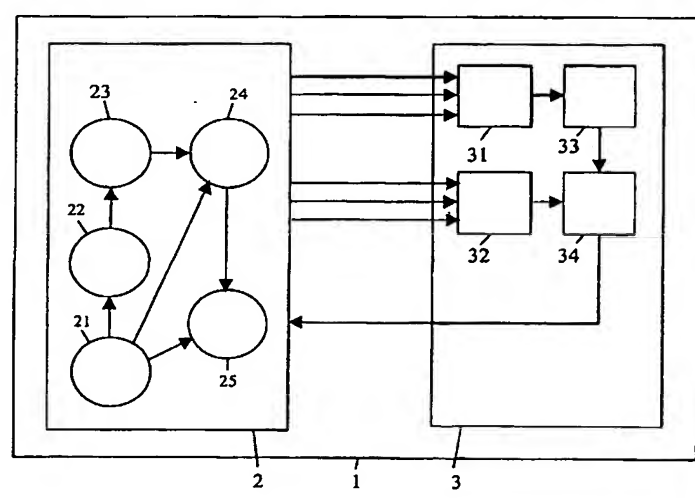
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(54) Title: SLIDING-WINDOW DECODER WITH PROLOG-WINDOWS HAVING FLEXIBEL SIZES



(57) Abstract: Sliding-window decoders with processor-systems (1) for decoding streams of symbols run prolog deriving processes (23) for deriving initial parameters for prolog-windows, and run main deriving processes (24) for deriving main parameters for main-windows thereby using initial conditions defined by said initial parameters. By introducing defining processes (22) for defining the prolog-windows having a flexible number of symbols, a flexible size, dependently upon the needed quality of the initial condition, the prolog-window can be made larger/smaller (initial condition with higher/lower quality). As a result, the efficiency is improved, as a consequence of the average overlap between prolog-windows of a certain main-window and a neighboring main-window being reduced. Preferably, per main-window, the prolog-windows get increasing sizes. Based upon the insight of initial conditions needing to have flexible qualities, the basic idea introduces flexible sizes for prolog-windows. Sizes which grow per iteration make the sliding-window decoders even more advantageous.

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